IN THE UNITED SPACES PATENT AND TRADEMARK OFFICE

In re Applicant:

AUG' 2 5 2006

Yoav KIMCHY

Serial No.:

10/616,307

Filed:

July 10, 2003

For:

RADIOACTIVE EMISSION DETECTOR

EQUIPPED WITH A POSITION TRACKING

**SYSTEM** 

Examiner:

CATTUNGAL, SANJAY

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

This Supplemental Information Disclosure Statement under 37 CFR 1.56 is not to be construed as a representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any or more of these citations constitutes prior art.

Respectfully submitted,

Group Art Unit: 3768

Attorney

**Docket: 25855** 

Martin D. Moynihan

Registration No. 40,338

Dated: August 9, 2006

## PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S.Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction of information unless it contains a valid OMB control number.

## Complete if Known Substitute for form 1449A/PTO **Application Number** 10/616,307 SUPPLEMENTAL INFORMATION Filing Date July 10, 2003 **DISCLOSURE** First Named Inventor Yoav KIMCHY et al STATEMENT BY APPLICANT Art Unit 3768 (use as many sheets as necessary) **Examiner Name** CATTUNGAL, SANJAY of 2 Attorney Docket Number Sheet 25855 **U.S. PATENT DOCUMENTS** Document Number **Publication Date** Name of Patentee or Pages, Columns, Lines, Where Examiner Cite No. 1 Initials\* **MM-DD-YYYY** Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code<sup>2 (if known)</sup> US-6,567,687 05-20-2003 Front et al. Barrick et al. 2 US-2002/0087101 04-4-2002 Madden et al. US-5,694,933 09-9-1997 3 4 US-2003/013966 01-16-2003 Barnes et al. 09-9-1997 5 US-5,694,933 Madden et al. US-6,135,955 10-24-2000 6 Madden et al. US-4,521,688 04-4-1985 Yin US-5,489,782 Wernikoff 8 06-6-1996 US-6,407,391 9 06-18-2002 Mastrippolito et al. 10 US-6,212,423 03-3-2001 Krakovitz 11 US-6,242,743 05-5-2001 **DeVito** 12 US-5,939,724 08-17-1999 Eisen et al. US-2003/0063787 13 03-3-2003 Natanzon et al. 14 US-6,271,524 07-7-2001 Wainer et al. US-6,525,321 02-25-2003 15 Juni US-6,525,320 02-25-2003 16 Juni US-6,271,525 17 07-7-2001 Majewski et al. US-5,249,124 18 09-28-1993 **DeVito** US-2002/0085748 19 04-4-2002 Baumberg 20 US-4,928,250 05-22-1990 Greenberg et al. US-2003/0001837 02-2-2003 Baumberg 22 US-5,729,129 03-17-1998 Acker 23 US-4,828,841 09-9-1989 Porter et al. 24 US-5,833,603 11-10-1998 Kovacs et al. 25 US-6,584,348 06-24-2003 Glukhovsky 26 US-6,240,312 05-29-2001 Alfano et al. 27 US-6,431,175 08-13-2002 Penner et al.

| **-                   |             | FOREIGN   | PATENT DOC                     | UMENTS   |   |   |
|-----------------------|-------------|---|--------------------------------|--|---|---|
| Examiner<br>Initials* | Cite<br>No. | Foreign Patent Documents  Country Code <sup>3-</sup> Number <sup>4-</sup> Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T |
|                       | 32          | PCT WO 02/058531  | 01-1-2002                      | Kimchy et al.                                      |   |   |
|                       | 33          | PCT WO 02/16965   | 02-28-2002                     | Kimchy et al.                                      |   |   |
| Examiner<br>Signature |             |   |                                | Date<br>Considered                                 |   |   |

Atalar et al.

Xu et al.

Oka et al.

Goldenberg

07-17-2001

07-17-2001

09-9-1999

02-10-1998

US-6,263,229

US-6,261,562

US-5,880,475

US-5,716,595

28

29

30

31

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

## PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO **Application Number** 10/616,307 SUPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date July 10, 2003 Yoav KIMCHY et al First Named Inventor (use as many sheets as necessary)
AUG 2 5 2006 **Group Art Unit** 3768 CATTUNGAL, **Examiner Name SANJAY** SALEMEN 2 2 **Attorney Docket Number** Sheet 25855 OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Cite Examiner item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), No.1  $T^2$ **Initials** publisher, city and/or country where published. 34 Bromiley et al. "Attenuation Correction in PET Using Consistency Conditions and A Three-Dimensional Template", IEEE Transactions on Nuclear Science, 48(4): 1371-1377, 2001. P.1376, Col.2, § 2. Hayakawa et al. "A PET-MRI Registration Technique for PET Studies of the Rat 35 Brain", Nuclear Medicine & Biology, 27: 121-125, 2000. P.121, Col.1. Lavallée et al. "Building A Hybrid Patient's Model for Augmented Reality in 36 Surgery: A Registration Problem", Computing in Biological Medicine, 25(2): 149-164, 1995. P.149-150. Kojima et al. "Quantitative Planar Imaging Method for Measurement of Renal 37 Activity by Using A Conjugate-Emission Image and Transmission Data", Medical Physics, 27(3): 608-615, 2000. P.608. Pardridge et al. "Tracer Kinetic Model of Blood-Brain Barrier Transport of Plasma 38 Protein-Bound Ligands", Journal of Clinical Investigation, 74: 745-752, 1984. Reutter et al. "Direct Least Squares Estimation of Spatiotemporal Distributions From 39 Dynamic SPECT Projections Using A Spatial Segmentation and Temporal B-Splines", IEEE Transactions on Medical Imaging, 19(5): 434-450, 2000. Huesman et al. "Kinetic Parameter Estimation From SPECT Cone-Beam Projection 40 Measurements", Physics in Medicine and Biology, 43(4): 973-982, 1998. 41 Reutter et al. "Kinetic Parameter Estimation From Attenuated SPECT Projection Measurements", IEEE Transactions on Nuclear Science, 45(6): 3007-3013, 1998. Garcia et al. "Accuracy of Dynamic SPECT Acquisition for Tc-99m Teboroxime 42 Myocardial Perfusion Imaging: Preliminary Results", American College of Cardiology, 51st Annual Scientific Session, Atlanta, Georgia, USA, 8 P., 2002.

| Signature | Considered |  |
|-----------|------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1.</sup> Applicant's unique citation designation number (optional). 2. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.